

Response under 37 C.F.R. § 1.116
Application No. 10/630,898

REMARKS

Claims 1 and 3-20 are now pending in the application.

Applicant has thoroughly reviewed the outstanding Office Action including the Examiner's remarks and the references cited therein. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

REJECTION UNDER 35 U.S.C. § 102

Claims 1-20 are rejected under 35 U.S.C. § 102(b) as being anticipated by Mick et al. (US 5,751,638). This rejection is traversed for at least the following reasons.

"For a prior art reference to anticipate a claim under 35 U.S.C. § 102, every element of the claimed invention must be identically shown in a single reference." *Diversitech Corp. v. Century Steps, Inc.*, 850 F.2d 675, 677, 7 USPQ 2d 1315, 1317 (Fed. Cir. 1988).

Independent Claims 1, 6, 9, 12, 15 and 18 recite an easy access ports structure. In accordance with the present invention, each port has a register bank. Each register bank has the same address. A global register is used to store the status of register bank. When accessing, the CPU access one of the ports in accordance with the control value stored in the global register and the status values of the ports are mapped to the global register. In other words, the global register may switch one of the ports to connect with the CPU for CPU accessing and store the status values of the ports. Therefore, in the claimed invention, the status value of each port not only exists in register bank but also exists in global register.

Mick et al

Mick et al does not teach a global register. The Examiner asserts that the semaphore logic control circuit 302 of Mick et al corresponds to the claimed global register. However, in Mick et al, the semaphore logic control circuit 302 does not store the status value of the ports. Although the Examiner also asserts that the status register 309 and 310 may store status value of the corresponding ports, the status value stored in the status registers is not from mapping. That is

Response under 37 C.F.R. § 1.116
Application No. 10/630,898

the status register 309 and 310 in the Mick should correspond to the status register located in the register banks 110 and 112 in the claimed invention. The status register 309 and 310 is not the global register. In other words, in Mick et al, the status value of each port only exists in the status register 309 and 310 that is different from the present invention.

In view of the above, Mick et al does not disclose the above-recited features of the claimed invention. Thus, the Mick et al reference does not show every element of the claimed invention. Applicant respectfully submits that Claims 1, 6, 9, 12, 15 and 18 are allowable over Mick et al and respectfully requests the 35 U.S.C. § 102(b) rejection of claims 1, 6, 9, 12, 15 and 18 to be reconsidered and withdrawn. Claims 3-5, 7-8, 10-11, 13-14, 16-17 and 19-10 depend from base Claims 1, 6, 9, 12, 15 and 18 respectively, and further define additional technical features of the present invention. In view of the patentability of the base claim, and in further view of the additional technical features, Claims 3-5, 7-8, 10-11, 13-14, 16-17 and 19-10 are patentable over the cited reference, the 35 U.S.C. § 102(b) rejection of these claims should be withdrawn as well.

Reconsideration and withdrawal of this rejection is respectfully requested.

CONCLUSION

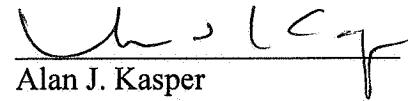
It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

Response under 37 C.F.R. § 1.116
Application No. 10/630,898

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


Alan J. Kasper
Registration No. 25,426

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: June 30, 2006